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ENVIRONMENTAL MONITORING REPORT # 13
FOR
Erf 4716, GROOT BRAKRIVIER



Compiled by:

HillLand Environmental

Reference:

MOS24/1136/38

Report Period:

July & August 2024

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**ERF 4716, GROOTBRAK, WILLIE NEL
ENVIRONMENTAL MONITORING REPORT NO 13
Report period: July & August 2024**

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Submitted to:	Mr Willie Nel - Owner Mr Willie Uys – Building contractor
Copies to:	DEADP – George Mossel Bay Municipality

Report compiled by: Jennifer Teifel – Hilland Environmental
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Environmental Monitoring Report No. 13

HillLand Environmental, the appointed Environmental Control Officer (ECO) compiled this report as the environmental monitoring report (**No.13**). This report monitors compliance against the Environmental Management Plan (Ref.: MOS23.1136.22) and constitutes the **13th** Environmental Monitoring Report and covers inspections done during **July and August 2024** for the construction of a residential dwelling on Erf 4716, Groot Brak.

This ECO report also covers compliance monitoring for all works to date in terms of the EA and OSCA in relation to the property. Commencement of **all listed activities** for the development must take place in accordance with the EA (16/3/3/1/D6/17/0020/22), NFA and OSCA permit (8173062).

General notes:

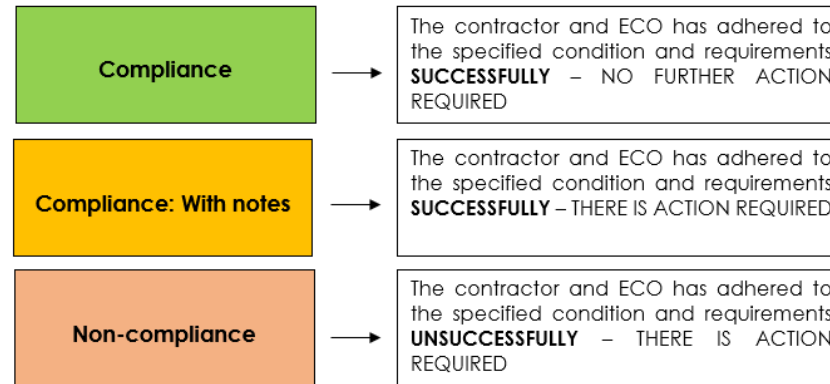
- Construction of the main house is ongoing.

ECO monitoring during **July & August 2024**:

Date:	Comment:
24 July 2024	ECO site inspection
28 August 2024	ECO site inspection

1. CONSTRUCTION MONITORING

The following checklist was compiled by the ECO for the ECO site inspections during **July & August 2024**. The table lists the level of compliance with notes/comments where relevant.



EMPr and OSCA requirements

EMPr requirements	Compliance	Comments / Findings	Action required
GENERAL (PRE – CONSTRUCTION)			
Environmental induction			
All construction staff must be briefed by the ECO in an environmental education programme regarding the environmental status and requirements of the site, prior to any activities commencing on site.		Environmental induction has been done.	No action required.
The 100m from the high-water mark of the sea must be clearly demarcated on site and no activities may take place on the seawards side of that line without prior NEMA Environmental Authorisation.		Surveyor pegged the approved disturbance footprint. The deck and walkway have been pegged and demarcated.	No action required.

Demarcation of NO-GO area				
The disturbance area must be pegged out well before the commencement of activities. All areas outside the pegged footprint are considered as NO-GO areas.			Demarcation of house and garage site is clearly visible – clear-vu fence has been installed.	No action required
All construction activities must be restricted to the demarcated areas to ensure that no further disturbance into the surrounding vegetation.			Demarcation clearly visible.	No action required.
Fauna and Flora				
Vegetation clearing may only commence once the EA / licenses/permits are in place.			Vegetation clearance of the housing and garage footprint was done and completed.	No action required.
All disturbance areas must be inspected in conjunction with the ECO. Any transplantable species (shrubs, succulents, geophytes etc.) which occur within the construction areas should be either stored in an on-site nursery for later use in the landscaping phase or directly transplanted into the surrounding areas outside of the disturbance areas.			Plant rescue was done before the start of vegetation clearing of the house footprint. Plant rescue was done before the northern (garage) section was cleared. All rescued vegetation will be used in rehabilitation or replanted outside of the disturbance footprint.	No action required.
The Milkwood and Cheesewood trees present on the property must be demarcated and protected during the build.			Milkwood and Cheesewoods outside the disturbance footprint were marked with danger tape and remain undisturbed. NFA licence in place for transplant of milkwood tree in footprint of garage - done .	No action required.
The contractor(s) shall be responsible for ensuring all employees are aware of the need to prevent any harmful effects on wildlife on or around the construction site because of their activities.			No issues noted or reported to the ECO.	No action required.
The contractor(s) shall ensure that no hunting, trapping, shooting, poisoning or otherwise disturbance of any fauna takes place.			No issues noted or reported to the ECO.	No action required.
Topsoil Stripping				
As topsoil is a valuable resource, it must be stripped from all construction areas before work commences. This topsoil should be stockpiled for			Topsoil rescue was done.	No action required.

use in rehabilitation and landscaping and must not be contaminated with other building materials and / or subsoil.					
CONSTRUCTION MANAGEMENT					
Site management					
Access to the property can be gained via the servitude road bisecting the property (MR6817). Movement of construction vehicles must be restricted to this servitude road and access driveways (driveway(s) at each disturbance area to be used for entrance and exit, no additional driveways) forming part of the site plan. No additional temporary access road may be created.				No additional site access routes have been created. The existing approved two entrances/driveways are being used and is demarcated.	No action required.
Ablution facilities (chemical toilets) are to be provided at the campsite for use of the staff (one toilet per 15 people).				Ablution facility is in place and kept clean.	No action required.
A fenced-off area must be created within the campsite for refuse and waste management.				The waste and building rubble stored adequately.	No action required.
Soil erosion and stormwater management					
Stringent mitigation measures must be imposed during construction to minimise runoff, possible silt run-off and contamination of water leaving the site (especially into the adjacent 'natural' areas), with the use of silt-fencing, rows of onion bags, mulch, brushwood, sandbags, and deflection berms (the choice depending on the situation). These mitigation measures are essential in all exposed areas.				No mitigation was required during this monitoring period. Construction is near completion and no stormwater issues were noted. No erosion noted below the gabion retaining wall.	No action required.

Concrete and cement works				
No mixing to be done in environmentally sensitive areas or areas where there is a high risk of cement contaminated water entering the natural area and / or non-perennial stream.			Construction is near completion. Concrete / cement mixing is done in the swimming pool area – permanent disturbance area. Suitable bunding is used when mixing cement/concrete to prevent accidental pollution of the natural vegetation.	No action required.
Concrete batching takes place on an impermeable surface to prevent any soil related contamination.			Mixing was done on top of impermeable surface – i.e., permanent disturbance area.	No action required.

1.1. Environmental Authorisation (EA) Conditions

Compliance with EA (16/3/3/1/D6/17/0020/22 – dated 24 March 2023) conditions were checked during this monitoring period.

1.2. Photographic record

Photographic record of ECO site inspections.

Photographic record	Comments and requests
 Hill and Environmental 24.07.2024 13:10 34.0623, 22.2133 R102, Southern Cross, Groot Brakrivier SE	The garage and house site has been fenced off with ClearVu fencing.
 Hill and Environmental 24.07.2024 13:12 34.06257, 22.21268 R102, Southern Cross, Groot Brakrivier NW	Bins are on site.

 Hilland Environmental 24.07.2024 13:11 34.06251, 22.21295 R102, Southern Cross, Groot Brakrivier	No-Go area in front of the house is clean and no litter noted during this site inspection.
 Hilland Environmental 24.07.2024 13:09 34.06251, 22.21297 R102, Southern Cross, Groot Brakrivier	Concrete / cement mixing is done in the swimming pool area – permanent disturbance area. Suitable bunding is required when mixing cement/concrete in any other area, to prevent accidental pollution of the natural vegetation.



The construction of the deck and walkway has commenced.



The garage building, fence and paving is complete.



(28.08.2024)

Fence installed.



(28.08.2024)

Alien clearing started. Cut alien vegetation is brush packed.



(28.08.2024)

Construction of the deck and walkway is complete.

2. CONCLUSION

Building rubble and litter are stored within the construction site (in bins/skids). The No-Go demarcation around the garage and main house were replaced with clear-vu fence - done. Alien clearing started and the cut alien vegetation is brush packed. Construction is near completion.

The contractor and owner are compliant with the EMPr, OSCA, NFA and EA requirements/conditions.